DOCUMENT RESUME

ED 187 978 CE 025 761

TITLE Project CHOICE: #25. A Career Education Unit for Junior High School. Careers Related to Animal Care. (With a Special Task Card Supplement).
INSTITUTION Kern County Superintendent of Schools, Bakersfield, Calif.
SPONS AGENCY Office of Education (DHEW), Washington, D.C.
PUB DATE Jan 78
NOTE 37p.: For related documents see CE 025 584-585, CE 025 587, CE 025 590-596, CE 025 599-600, CE 025 603, CE 025 605, CE 025 607, CE 025 609, and CE 025 738-765.

EDRS PRICE MF01/PC02 Plus Postage.
DESCRIPTORS *Animal Caretakers; Animal Husbandry; *Career Awareness; Career Development; *Career Education; Educational Resources; Instructional Materials; Junior High Schools; Learning Activities; Lesson Plans; Occupational Clusters; Occupations; Secondary Education; Teaching Guides; Units of Study
IDENTIFIERS Project CHOICE

ABSTRACT

This junior high teaching unit on careers related to animal care is one in a series of career guidebooks developed by Project CHOICE (Children Have Options in Career Education) to provide the classroom teacher with a source of career-related activities linking classroom experiences with the world of work. The unit follows a typical format that includes the rationale, goals, performance objectives, instructional strategy, evaluation, and suggested instructional materials (including books, films, and filmstrips). The remainder of the unit is comprised of instructional activities designed to provide experiences in animal care which are related to many different subject areas. (For junior high units in other career areas see CE 025 738-765.) (LRA)

****
* Reproductions supplied by EDRS are the best that can be made *
* from the original document. *
****

ED 187978
CE 025 761

OFFICE OF CLAUDE W. RICHARDSON
KERN COUNTY SUPERINTENDENT OF SCHOOLS

Project CHOICE

#25

A CAREER EDUCATION UNIT FOR JUNIOR HIGH SCHOOL

CAREERS RELATED TO ANIMAL CARE

(With a special task card supplement)

U S DEPARTMENT OF HEALTH
EDUCATION & WELFARE
NATIONAL INSTITUTE OF
EDUCATION

THIS DOCUMENT HAS BEEN REPRODUCED EXACTLY AS RECEIVED FROM THE PERSON OR ORGANIZATION ORIGINATING IT. POINTS OF VIEW OR OPINIONS STATED DO NOT NECESSARILY REPRESENT OFFICIAL NATIONAL INSTITUTE OF EDUCATION POSITION OR POLICY

January 1978

FOREWORD

Project CHOICE: Children Have Options in Career Education, is an Exemplary Project from the San Diego City School District, which has been adapted, with ESEA Title IV-C funding, for Kern County Schools.

Through Project CHOICE, units have been developed to provide the classroom teacher with a source of career-related activities linking classroom experiences with the world of work. All students, regardless of their post-high school plans, share an equal need for career awareness, decision making skills, and other elements of career education. This goal can be accomplished if all teachers and counselors "fit" the appropriate units where they best apply in the curriculum.

We are indebted to the San Diego City School District, and the Project CHOICE staff, for developing and field testing the original units.

For their excellent work in re-writing the units in order to adapt them for use in Kern County Schools, we wish to recognize:

Patricia Alexander
Kernville Union School District
Robin Cole
Standard School District
Carol Hatcher
Beardsley School District
James Murphy
Greenfield Union School District
Dan Sawyer
Tehachapi Unified School District
Sharon Shires
Rio Bravo - Greely Union School District
Cynthia Silliman
Richland School District

Janet S Wells

Janet Wells
Career Education Resource Teacher
Guidance Services

JUL 2 1 1980

A CAREER EDUCATION UNIT FOR JUNIOR HIGH SCHOOL

CAREERS RELATED TO ANIMAL CARE

CONTENTS

	Page
FOREWARD	i
RATIONALE	1
GOALS AND PERFORMANCE OBJECTIVES	1
INSTRUCTIONAL STRATEGY	2
EVALUATION	2
SUGGESTED INSTRUCTIONAL MATERIALS	2
COMMUNITY RESOURCES	3
INSTRUCTIONAL ACTIVITIES	4
PRE-TEST AND POST TEST	11
TASK CARDS 1 through 21	12

A CAREER EDUCATION UNIT FOR JUNIOR HIGH SCHOOL

CAREERS RELATED TO ANIMAL CARE

RATIONALE

Many young people have a strong feeling of identity with and affection for animals, and are eager to take responsibility for their care. Kern County is reich in opportunities to observe and work with animals.

This unit is intended to provide experiences in animal care which are related to many different subject areas. It may be pursued by an individual student in a Career Center or in independent student based in any class.

GOALS

Students will become aware of a variety of careers involved with animals. Students will participate in animal care related activities which develop skills and techniques appropriate to individual interests and abilities.

Students will undertake projects which have specific interest and appeal to them.

Students will become aware of the connection of animal care careers with junior high subject matter.

PERFORMANCE OBJECTIVES

Upon completion of all activities of this unit, the student will:

-List and describe the principal duties involved in at least five animal care careers.

-Describe the requirements for entry into at least two animal care careers.

-Discuss the relationship between man and animals in literature and in various life settings.

INSTRUCTIONAL STRATEGY

This curriculm unit has been designed for use by a class, small group, or individual student. So that the materials can be easily duplicated for individualized instruction, all learning activities are written for the student. Activities designated ALL are intended to provide factual information, those designated YOUR CHOICE have been included to provide experiential activities which draw upon this background. This technique also provides an opportunity to put decision-making skills to action in the classroom, a process important to career development.

EVALUATION

It is improtant to evaluate the effectiveness of this unit in terms of the learning that takes place as well as reactions of the learner. A sample inventory has been provided, which can serve to both introduce the unit and assess its effectiveness, or the teacher may wich to develop his/her own.

SUGGESTED INSTRUCTIONAL MATERIAL

Use library and Career Center materials such as the Occupational Outlook Handbook, S.R.A. Work Kit, and occupational briefs.

Books:

Title	Number	Author
Zoo Doctor	636.089	Bridges
Animal Doctors: What Do They Do?	636.089	Green
The Veterinarian's Children	636.089	Mannheim
What Can She Be? A Veterinarian		Goldereich
What Does A Veterinarian Do?*	636.089	Compton

*This book is most important to the unit and should be borrowed from the school or public library.

AVAILABLE IN THE INSTRUCTIONAL RESOURCE CENTER: KERN COUNTY SUPERINTENDENT OF SCHOOLS OFFICE.
(Please preview first, to be certain of suitability for specific students and situations.)

Films: FK 2343 Careers In Animal Industry (9-12)

COMMUNITY RESOURCES

____Contact local pet store owners, kennel workers, agricultural workers, etc.

____Sequoia National Forest, Greenhorn Ranger District Information Specialist Opal Grimes, 800 Truxtun Avenue, Room 3, Bakersfield; 861-4212

____Explorer Scouts Headquarters; 2417 "M" Street, Bakersfield; 325-9036.

____S.P.C.A. and Humane Society; Bud Fischer, Bakersfield, 399-7462.

Note: Because the field of Veteranarian Medicine is so overcrowded, local veteranarians do not usually encourage prospective students.

INSTRUCTIONAL ACTIVITIES

ALL:

1. PRETEST

   Take the written pretest to find out how much you already know about careers in animal care.

2. A CAREER TO EXPLORE

   There are many career opportunities in fields related to the care of animals. Some of them are listed below as "Careers Related to Animal Care". Choose one and use the materials in your school or public library to find out more about it. An especially good book for information is the Occupational Outlook Handbook. Find this information:

   a. What kind of work is done in the job?
   b. What special training or education is needed for the job?
   c. What are some other facts (such as time schedule, pay, etc.)?

Careers Related to Animal Care

Animal Scientist
Kennel Worker
Veterinary Assistant
Teacher of Agriculture--Livestock production
Forester
Animal Keeper
Fish and Game Warden
Fish and Wildlife Assistant
Consultant
Planner
Naturalist
Veterinarian
Horse Trainer--Racing, show, breeding, judge
Dog Trainer--Handler, judge
Marine Mammal Trainers
Zookeeper--Director, educator, curator
Guide
Range Manager--Management of livestock and wildlife
Dog Grooming
Wildlife Conservation Careers
  Wildlife management biologist
  Wildlife research biologist
  Administrator
  Information specialist
  Educator
  Enforcement officer
Farrier
Groom
Pet, Feed and Tack Stores--Management and sales
Pharmaceuticals--Vaccines, instruments, supplies
Animal Photographer
Animal Artist--Painter, sculptor
Architectural Designer for Large Animal Enclosures
Animal Historian
Geological
Animal Transportation
Animal Nutritionist
Animal Ecologist

TEACHER OR STUDENT CHOICE:

3. ART

Many artists specialize in the portrayal of animals. They must concentrate on faithfully reproducing the proportion and features of the animal and at the same time produce a visually pleasing product.

a. Make a collection of artistic portrayals of one animal (cat, horse, etc.) Which are your favorites? Which are the best reproductions in your opinion? Display your collection with written comments if possible.

b. Sharpen your powers of observation! On a trip to the County Fair or in an out-of-school situation, choose seven animals you would like to draw or paint. Fill in the worksheet on "Sketching Animals."

c. Take the sketches you have made from one animal and use them in a whole-animal drawing or painting.

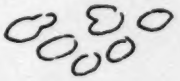
OR

d. Carved reproductions of animals have become quite popular. Try your hand at carving an animal from soft wood using the sketches you have made.

WORKSHEET NAME _____

SKETCHING ANIMALS

1. Choose 7 different animals and complete this page. (See example)
2. Sketch carefully several animals you would like to paint for a class project.

ANIMAL	BASIC SHAPE	COLOR & PATTERN	EYES	EARS	NOSE & MOUTH	FEET	TAIL
Ex. Horse		Brown with white SPOTS over hips. 					
1.							
2.							
3.							
4.							
5.							
6.							
7.							

4. ART - ARCHITECTURE

a. Design one or more of the following:

1. Veterinary hospital for small animals
2. Veterinary hospital for large animals
3. A stable for six horses
4. A boarding kennel for dogs
5. A small zoo where animals have some freedom of movement
6. A pet store
7. A bird sanctuary

b. Build a scale model of any of the above.

5. BUSINESS EDUCATION

a. Plan a Pet Store inventory. Include figures on wholesale cost, retail cost and quantity of each item.

b. Set up books for a Veterinary hospital.

c. Figure the cost of keeping a horse for one year. Include food, boarding (if necessary), equipment, estimated veterinary bills, etc. Could you earn enough to pay the bills for a horse? How long would you have to work each week if you earned $2.25/hr.?

6. ENGLISH - LANGUAGE ARTS

a. Animals have been popular subjects in literature for centuries. In ancient mythology, gods often took the form of animals when they appeared on Earth. Make a list of five gods/goddesses who appeared as animals, along with the animal form each one took.

b. What is a unicorn? This animal has been the subject of literature from ancient times through our own time. Find out what a unicorn is--what characteristics it represents, what animal it is thought to resemble. Read James Thurber's short story "The Unicorn in the Garden?" Why do you think Thurber chose a unicorn for that story? Write your answers to these questions.

c. In Aesop's fables, animals were often used to illustrate human characteristics. Write your own fable (a brief story which teaches a moral) using animals as the main characters.

d. What are your favorite animal stories? Make up a bibliography, a list of animal books which you have read. Include the title, author's name, and some brief comments about the book. You might choose to make a list of books for younger readers: what age person would you recommend this book to?

e. Make a list of popular sayings or adages which involve animals. For example, "You can lead a horse to water, but you can't make it drink."

7. FOREIGN LANGUAGE

Write your answers in the language you are studying:

a. What animals are common in this country?
b. What animals if any are used for transportation?
c. What animals if any are used for food?
d. What animals if any are used for clothing?

8. CONSUMER AND FAMILY STUDIES

Plan a feeding program for an orphan--kitten, puppy, foal.

a. At the grocery store, compare prices of various kinds of pet food. How much would it cost each day to feed a 30-lb. dog on dry food? Packaged "burger" dog food? The cheapest canned food? The most expensive canned food?

   Compare the amount of protein available in various types of food. What brand offers the most protein? What offers the most protein for the money?

b. The milk of different animals varies in its chemical composition. What are orphaned baby animals fed at the Children's Zoo? Find out from a veterinarian or pet store about feeding formulas and schedules for an orphan kitten, puppy or foal.

9. MATHEMATICS

Math related activities--

a. Find out the approximate annual cost of feed and care for your cat, dog, horse, hamster or ralbit. (Consider licenses, veterinary expense, food, etc.)

b. How much capital would it take to open a pet store? Figure costs of rent, supplies needed to open business, salaries for employer, employees, etc.

c. Compare prices of dog foods in supermarkets as related to the percentage of protein in the feed.

d. Figure the most economical way to feed a horse for one year. Consider the fact that feed prices vary with the seasons.

e. Plan a weekly feed order for the zoo and figure cost.

10. MUSIC

Make a list of animals in popular songs. What animals are written about most frequently? Why do you think this is true?

a. Many composers have incorporated animal sounds into their music. Ferde Grofe, in "The Grand Canyon Suite," used the sounds of burros' feet clopping down the canyon trail. Find and list at least five other examples of animal sounds in music.

b. What effect does music have on animals? Some recent experiments have indicated that cows give more milk when soothing music is played in the barns.

c. Read and list at least three other examples of the effect of music on animals.

11. PHYSICAL EDUCATION

a. Make a list of animals involved in sporting events.

b. Plan a fitness program for a horse and rider going on a competitive endurance ride.

c. Compare the anatomy of man with that of the dog or the horse.

12. SCIENCE

Do a comparative study of the effect of two different brands of commercial feeds on the conditioning of two animals.

a. The proper nutrition for each animal is determined by the kind of digestive system it has. A cow, for instance, has several stomachs, which enable it to get ample nutrition from grass. Find out about the digestive system and proper feeding of at least four other animals.

b. What is a tigon? A liger? What happens if a horse is mated with a mule? Read and find out about crossbreeding between two species of animals. Find other examples. Can these offspring be bred?

13. SOCIAL STUDIES

Research animals used for transportation in another country and list the other uses for these animals.

Example: Country - Saudi Arabia
Animal - Arabian camel (dromedary)
Best role - Beast of burden
How many miles can they travel in one day?

How much weight can they carry?
How are their feet better adapted to travel in sand than the horse?
What and how much do they eat?
What are the duties of camel drivers and what is their pay?
Other uses of camels--milk; sandals and water containers from hide; tents, rugs and clothes from hair.
What other animals are common to Saudi Arabia? Gazell, oryx, goats, hedgehog. Arabian horse, saluki.

14. For further information on animals and careers write one of the following:

Bureau of Labor Statistics
United States Department of Labor
Washington, D. C. 20025

Office of Education
United States Department of Health Education and Welfare
Washington, D. C. 20025

National Education Association
1201 16th Street, NW
Washington, D. C. 20006

Professional Photographers of America
152 West Wisconsin Avenue
Milwaukee, WI 53203

American Institute of Interior Designers
673 Fifth Avenue
New York, NY 10022

American Institute of Graphic Arts
1059 Third Avenue
New York, NY 10021

American Institute of Architects
1735 New York Avenue, NW
Washington, D. C. 20006

American Veterinary Medical Assoc.
600 South Michigan Avenue
Chicago, IL 60605

American Forestry Association
1319 18th Street, NW
Washington, D. C. 20036

ANIMAL CARE OCCUPATIONS
Occupational Brief No. 319
Chronicle Guidance Publications, Inc.
Moravia, N.Y. 13118 ($.50)

Society of American Foresters
1010 16th Street, NW
Washington, D. C. 20036

Bureau of Sport Fisheries & Wildlife
Fish and Wildlife Service
United States Department of the Interior
Washington, D. C. 20240

American Society of Range Management
2120 South Birch Street
Denver, CO 80222

American Horse Shows Association, Inc.
527 Madison Avenue
New York, NY 10022

American Trainers Association
P. O. Box 6702
Towson, MD 21204

Guide Dog Foundation for the Blind, Inc.
109-19 Seventy-second Avenue
Forest Hills, NY 11375

San Diego Center for the Blind
1805 Upas
San Diego, CA 92103

American Assoc. of Zoological Parks and Aquariums
Oglebay Park
Wheeling, WV 26003

Assoc. of Obedience Clubs and Judges
59 Vondram Street
Huntington Station, NY 11746

CAREERS IN ANIMAL BIOLOGY
Mrs. Mary Wiley
American Society of Zoologists
Box 2739, California Lutheran College
Thousand Oaks, CA 91360
(Single copy free)

CAREERS RELATED TO ANIMAL CARE

Pre-Test and Post Test

Use this short inventory to determine class awareness of animal care related careers:

1. Name 6 careers that are related to animal care:

_____ _____

_____ _____

_____ _____

2. Pick out 3 animal care related careers and tell what education or training is required:

	Career	Training/Education Required
a.	_____	_____
b.	_____	_____
c.	_____	_____

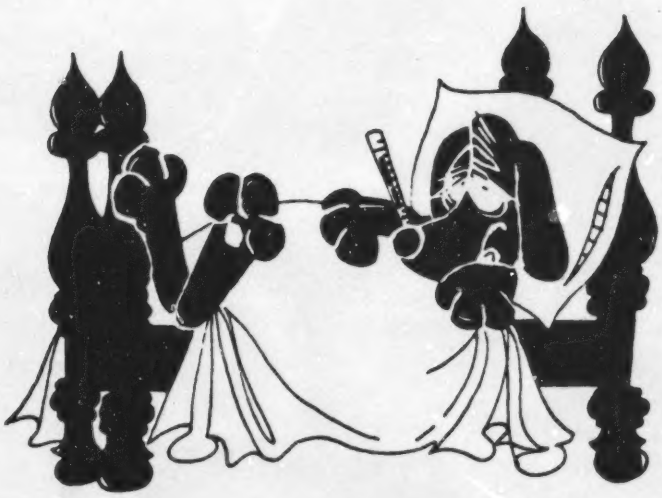
A VISIT TO THE HOSPITAL

You need:

Paper
Pencil
A good memory

Write a short story about a time you took your pet to the animal hospital. Don't forget to tell us what the veterinarian did to help your pet.

I NEED A DOCTOR!



You will need:

Paper
Pencil
A good imagination

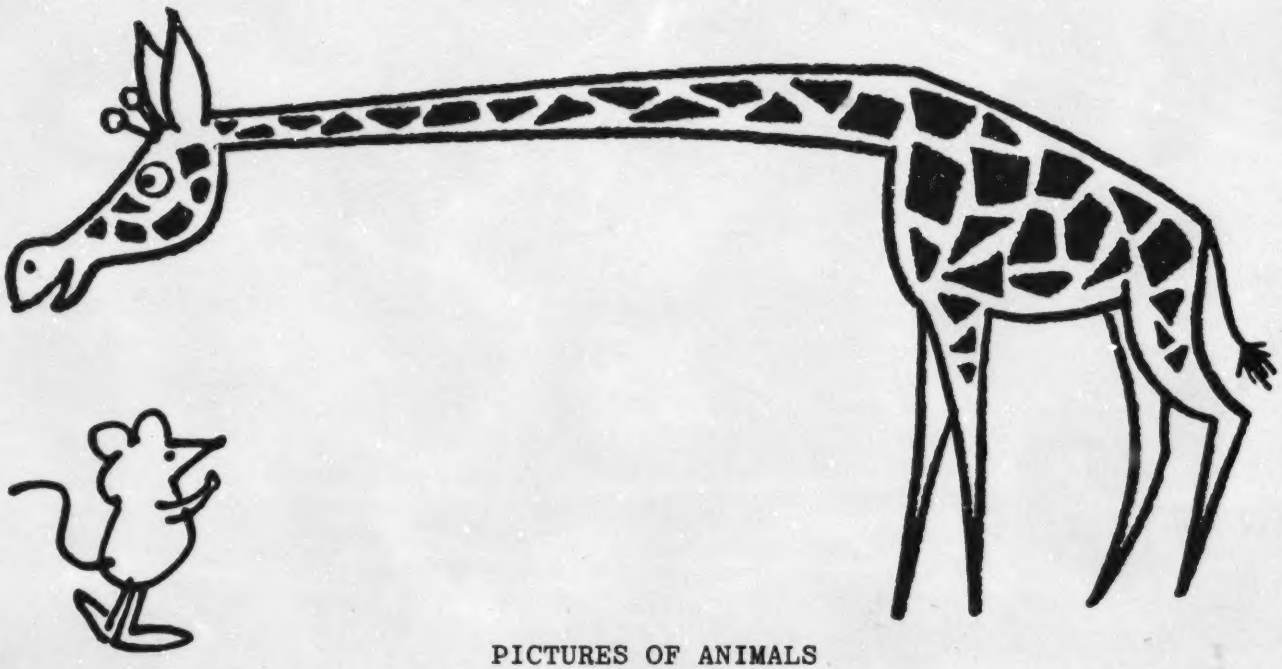
Write a short story as if you were an animal that needed the services of a veterinarian. Don't forget you can't talk. How did you let the veterinarian know what was wrong with you?

TRAIN YOUR DOG

You will need:

Paper
Pencil

You have just gotten a puppy. What must you teach it so he will be a friend to your family and neighbors. List as many things as you can and then see if a friend can add some things to your list.



PICTURES OF ANIMALS

You will need:

Magazines
Scissors
Paste
Construction paper

Make a scrapbook of animal pictures. Divide your book into large and small animals, those that would be taken to an animal hospital and those that the veterinarian would have to visit. Make a special section for dangerous animals.

ZOONOSES!

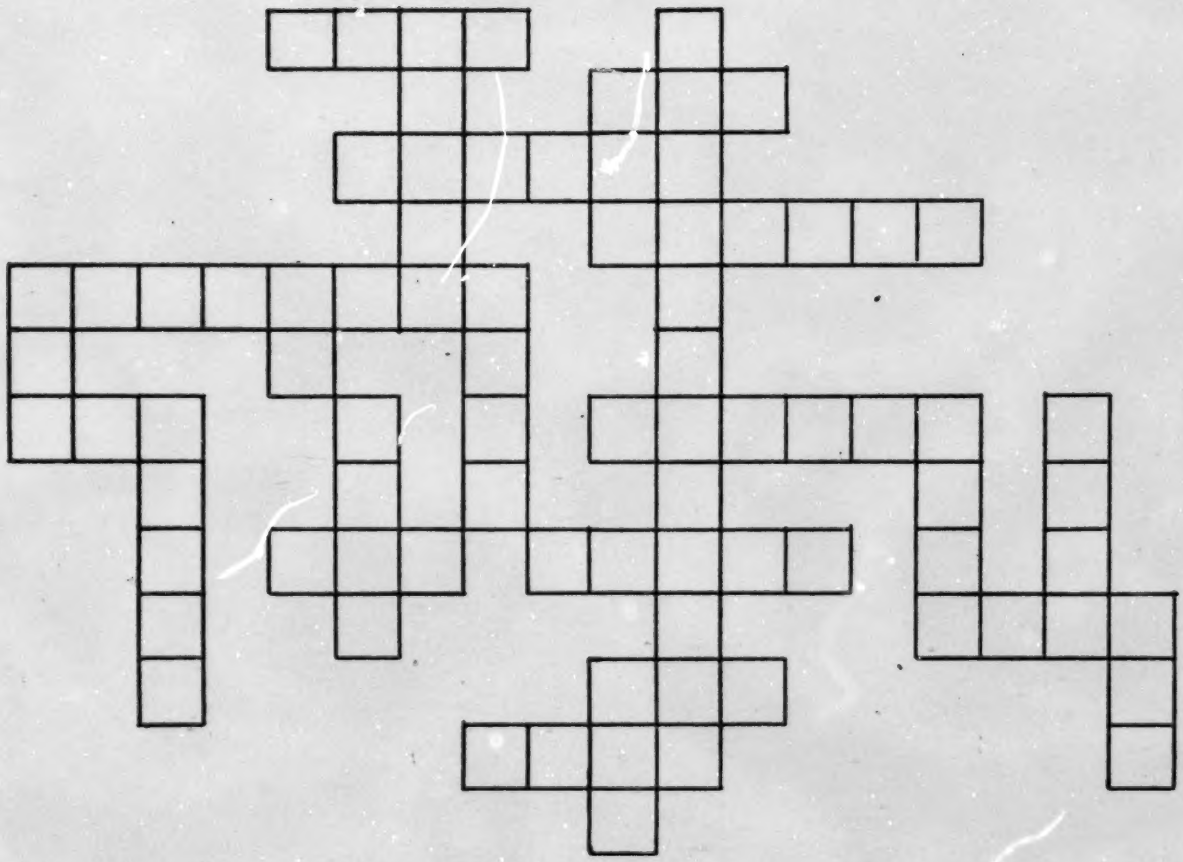
You will need:

What Does a Veterinarian Do?/Encyclopedia
A pencil
Paper

List as many zoonoses* as you can find and tell what can be done to protect people from these diseases.

*Zoonoses - diseases that can be transmitted from animals to people.

PUZZLED?



ACROSS

1. Live in an aquarium
4. Your dog is your ____
5. Hare
6. A kind of shepherd dog
7. Diseases that humans can get from animals
10. Wise bird
12. Veterinarian will doctor an _____
15. Man's best friend
16. Man can ride this animal
17. Parakeet
19. Tabby
20. King of Beasts

DOWN

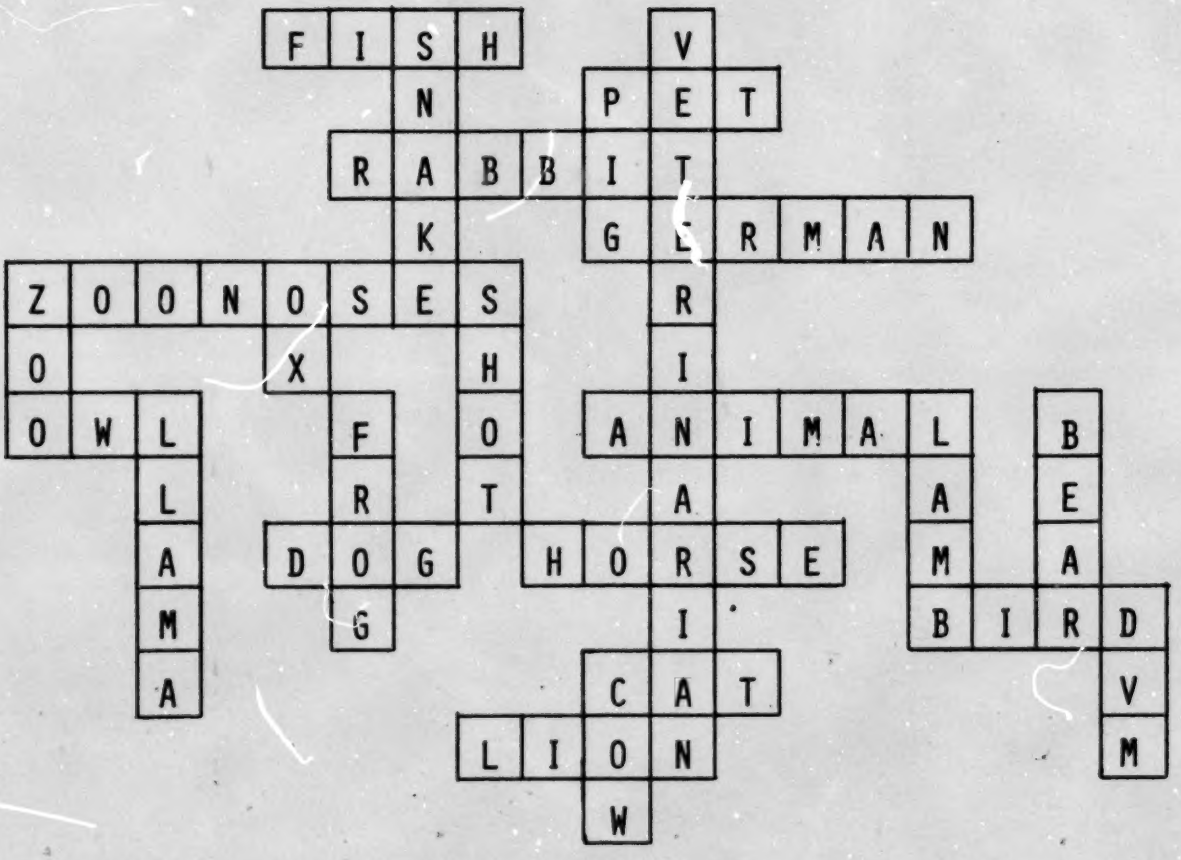
2. Gather
3. Doctor for animals
4. Hog
7. Place to see animals
8. Pulled pioneer wagons
9. What dog gets against rabies
11. Toad
13. Baby sheep
14. Yogi _____
18. Doctor of Veterinarian Medicine
19. We get milk from this animal

21

PUZZLED?

TASK CARD 6a

(Key)



ACROSS

1. Live in an aquarium
4. Your dog is your _____
5. Hare
6. A kind of shepherd dog
7. Diseases that humans can get from animals
10. Wise bird
12. Veterinarian will doctor an _____
15. Man's best friend
16. Man can ride this animal
17. Parakeet
19. Tabby
20. King of Beasts

DOWN

2. Gather
3. Doctor for animals
4. Hog
7. Place to see animals
8. Pulled pioneer wagons
9. What dog gets against rabies
11. Toad
13. Baby sheep
14. Yogi _____
18. Doctor of Veterinarian Medicine
19. We get milk from this animal

22

MONKEY

BUSINESS

You will need:

Pencil
Paper
Construction paper
Felt pen

Draw a picture of your pet. Tell us what kind of pet it is, its name, and one interesting or funny thing your pet does.

TASK CARD 8

DEAR MASTER,

You will need:

Paper
Pencil

Write a letter to yourself from your pet. You can pretend you have gone on vacation and left your pet at home. Does he miss you?

TASK CARD 9

I NEED A GOOD HOME!

You will need:

Paper
Pencil
Construction paper
Felt pen

In Sunday's paper the Humane Society advertises dogs that need people. Write your own ad to put in the paper as if you were the dog. Describe your good and bad points, what you look like, what kind of person you hope will adopt you, and why you would make a good pet. Draw a picture to go with your ad.

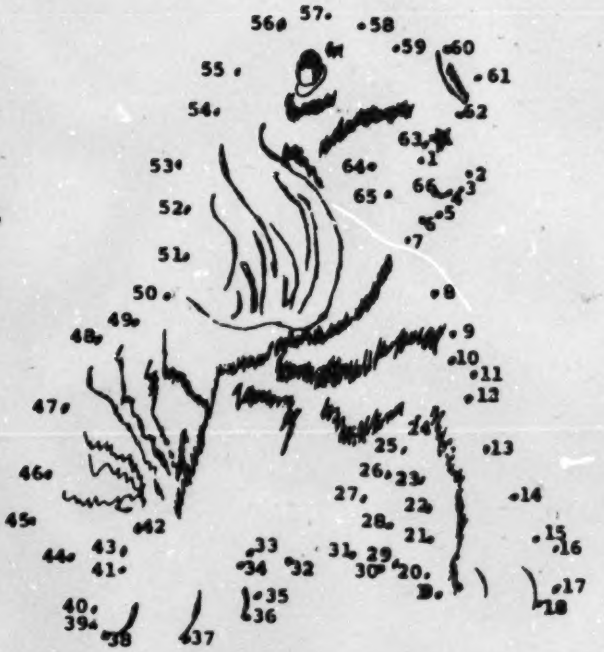
25

MAN'S BEST FRIEND

You will need:

Paper
Pencil
Your mind

Dogs are called "Man's Best Friend." Why?



Follow the dots from 1 - 66 and find "Man's best friend."

READ ABOUT AN ANIMAL

You will need:

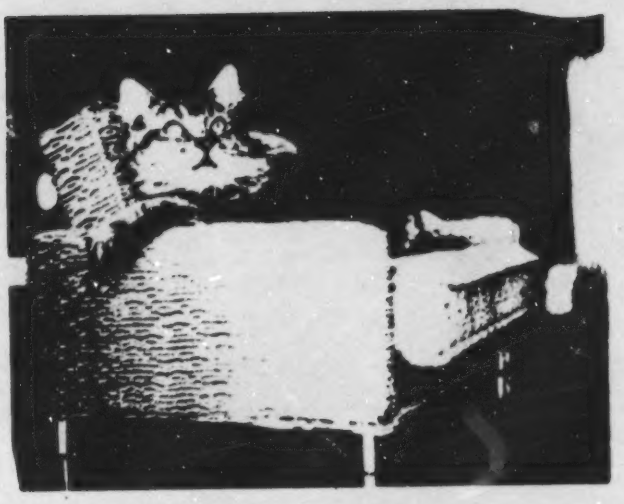
A good animal story
Paper
Pencil

There are many good books about animals, fiction and nonfiction. Pick one to read and give a report to the class on your book. Remember, don't tell us how the story ends so we can read it also and discover for ourselves.

MY STAY

IN THE HOSPITAL

WAS PLEASANT!

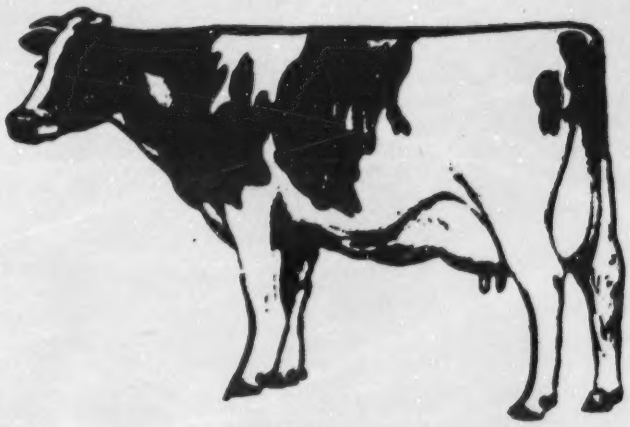


You will need:

Construction paper
Ruler
Pencil

Design your own animal hospital. Don't forget the waiting room, examining room, operating room, kennel for those pets who have to stay overnight, exercise area. Will the exercise area have to be divided to keep the animals separated? Would you take your pet to this hospital? Why?

DEAR DIARY,



You will need:

Paper
Pencil
Knowledge of a farm veterinarian
Book: What Does a Veterinarian Do?

Make up a day in the life of a farm veterinarian and write it as a diary. His day would start early!

I

LOVE

ANIMALS

You will need:

Paper
Pencil
A good mind

A veterinarian has to be a special kind of person. List as many qualifications as you can that he should have. Does he need to like animals? Be gentle or strong? Be able to get along with people?

DOES HE

You will need:

- A factual book about an animal
- Paper
- Pencil
- A good, loud voice

OR

Pick an animal that you are interested in. Find as many interesting facts about this animal as you can. Give a report to the rest of the class about this animal.

DOESN'T HE?

DOGS,

DOGS,

DOGS

You will need:

Dictionary or encyclopedia
Construction paper
Magazines
Scissors
Pencil

Find as many different breeds of dogs or cats as you can. List them and put a picture of them (either cut it from a magazine or draw it). Put one interesting fact about each breed (hairless, doesn't bark, good for guarding, ancient breed).

A VET

HELPS

ANIMALS

AND

PEOPLE!

You will need:

Construction paper

Felt pen

List as many things as you can think of that a veterinarian does to help protect animals and people.

I DON'T LIKE VACCINATIONS!

You need:

1. Encyclopedia
2. Pencil
3. Paper

Doctors vaccinate people against certain diseases such as smallpox, polio, and measles. A veterinarian vaccinates animals against diseases also. See how many you can find and list them.

GUESS

You need:

1. Paper
2. Pencil
3. Skill as an actor

Charades:

Put as many different kinds of animals on small pieces of paper as you can think of. Divide into teams. Draw a piece of paper and act out the animal. See how quickly your team can guess the animal. Remember, you may not make any noises.

ANIMALS GALORE

	Dogs	Animal Stories	Cat Family	Farm Animals
C				
P				
L				
T				
R				

Divide into teams. In five minutes see how many spaces you can fill in. The names must start with the letters on the left. The letters and categories may be changed for each game.

BE KIND TO ANIMALS DAY

You will need:

Paper
Pencil

List as many things as you can think of that you could do on a Be Kind to Animals Day. Consult a friend and see if they can add something to your list. Could you do these things every day and not just on a special day?